

METHOD AND APPARATUS FOR ACQUIRING AND STORING MULTIPLE OFFSET CORRECTIONS FOR AMORPHOUS SILICON FLAT PANEL DETECTOR

Abstract of Disclosure

An x-ray system used to acquire successive images is provided. The x-ray system includes an x-ray source for generating x-rays which are detected by a detector. The detector comprises detector elements that store levels of charge and are arranged in rows and columns. An image processor is used to sense the levels of charge stored by the detector elements. First and second offset image memories are included in the image processor. The first offset image memory stores offset image data for a first mode of operation and a second offset image memory stores offset image data for a second mode of operation.

Figures

1. The first figure shows the results of the first experiment. The data is presented in a table with columns for 'Time' and 'Distance'. The values are as follows:

Time (s)	Distance (m)
0	0
1	1.5
2	3.0
3	4.5
4	6.0
5	7.5
6	9.0
7	10.5
8	12.0
9	13.5
10	15.0

2. The second figure shows the results of the second experiment. The data is presented in a table with columns for 'Time' and 'Distance'. The values are as follows:

Time (s)	Distance (m)
0	0
1	2.0
2	4.0
3	6.0
4	8.0
5	10.0
6	12.0
7	14.0
8	16.0
9	18.0
10	20.0